

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078524.D
 Acq On : 14 Jul 2023 16:00
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 15 04:03:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	397697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	731506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	676011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	225158	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	276072	51.781	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.560%	
35) Dibromofluoromethane	8.177	113	277519	55.887	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.780%	
50) Toluene-d8	10.576	98	863707	46.043	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.080%	
62) 4-Bromofluorobenzene	12.853	95	288378	49.909	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.820%	

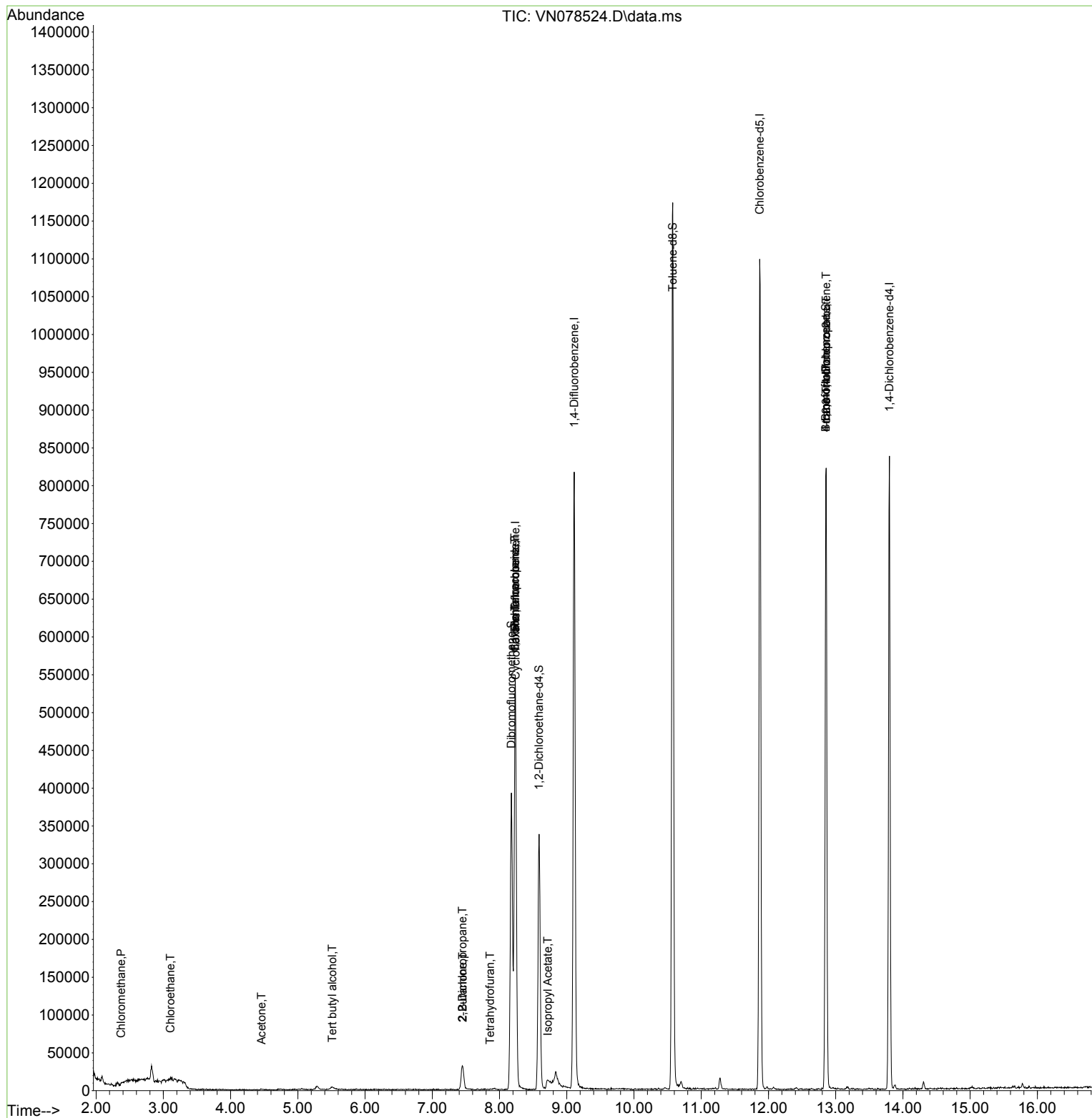
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1847	0.349	ug/l #	68
5) Bromomethane	2.953	94	1139	Below Cal		82
6) Chloroethane	3.106	64	9972	0.503	ug/l #	43
11) Tert butyl alcohol	5.512	59	3347	4.071	ug/l #	72
16) Acetone	4.459	43	1342	0.808	ug/l #	40
20) Methylene Chloride	5.277	84	3126	Below Cal	#	71
25) 2-Butanone	7.453	43	1467	0.561	ug/l #	76
26) 2,2-Dichloropropane	7.447	77	2761	0.390	ug/l #	53
29) Tetrahydrofuran	7.859	42	356	0.208	ug/l #	32
31) Cyclohexane	8.241	56	8963	1.244	ug/l #	55
36) 1,1-Dichloropropene	8.230	75	33266	4.640	ug/l #	48
38) Carbon Tetrachloride	8.230	117	41922	5.380	ug/l #	14
43) Isopropyl Acetate	8.718	43	11398	1.158	ug/l #	49
71) Bromoform	12.853	173	2210	0.561	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.947	83	162	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.859	75	152466	28.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	152466	73.618	ug/l #	15
90) Hexachloroethane	14.323	117	64	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.841	75	151	Below Cal	#	4

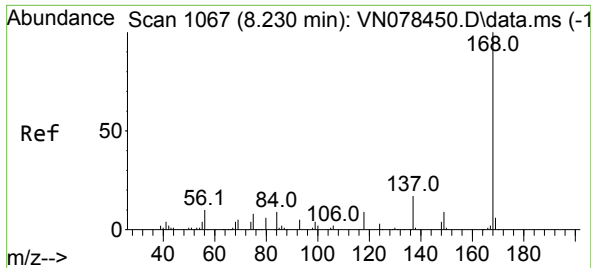
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

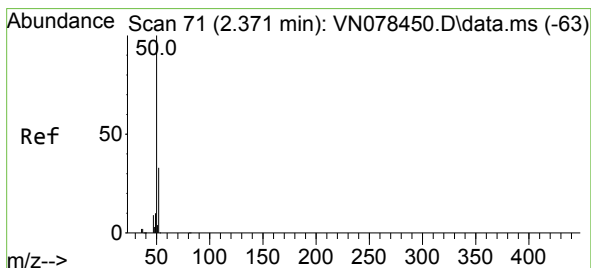
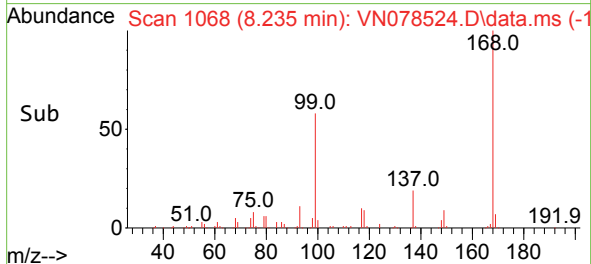
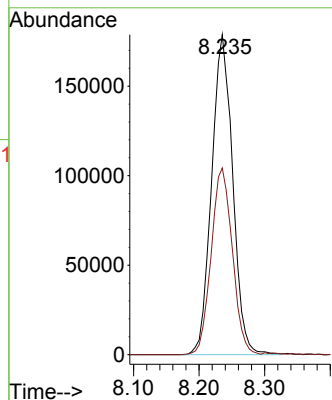
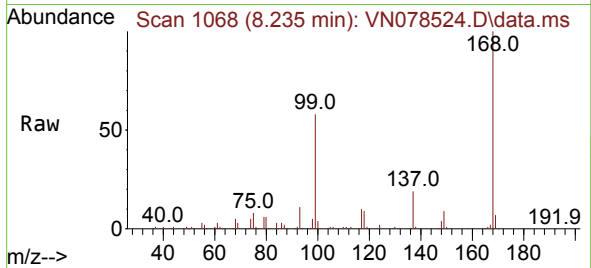




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

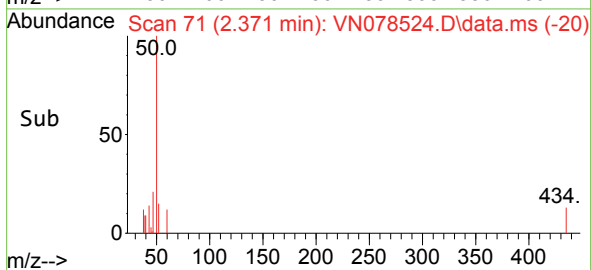
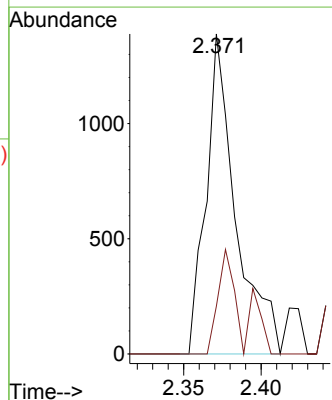
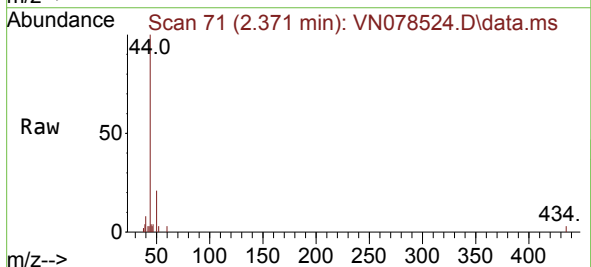
Instrument :
MSVOA_N
ClientSampleId :
IBLK

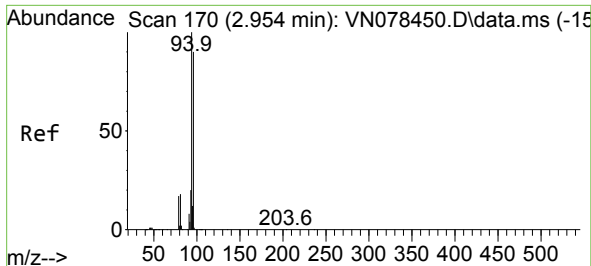
Tgt Ion:168 Resp: 397697
Ion Ratio Lower Upper
168 100
99 58.4 53.0 79.6



#3
Chloromethane
Concen: 0.349 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 50 Resp: 1847
Ion Ratio Lower Upper
50 100
52 14.9 26.5 39.7#

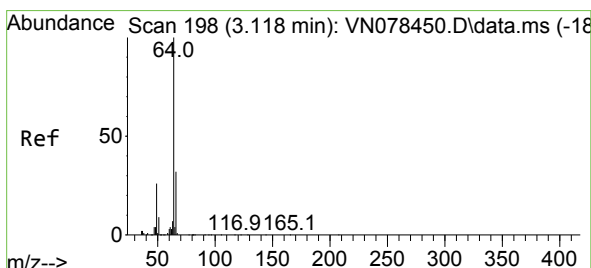
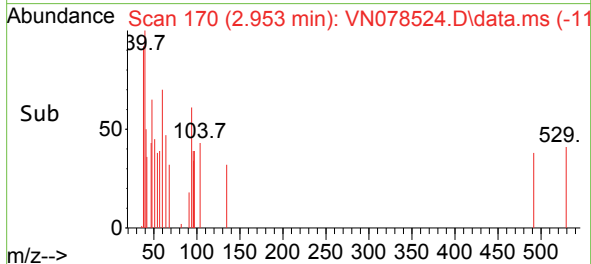
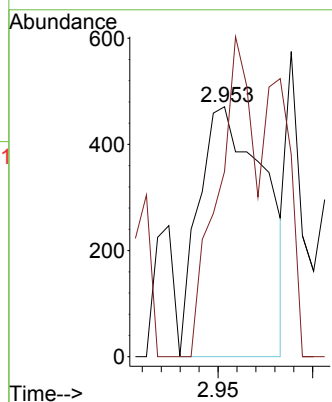
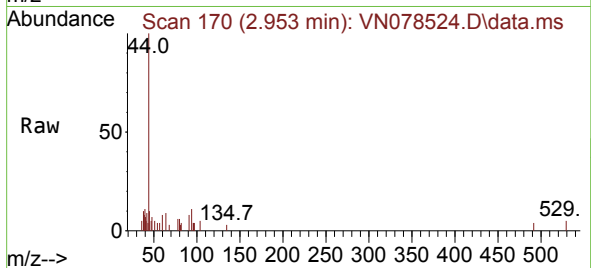




#5
Bromomethane
Concen: Below Cal
RT: 2.953 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

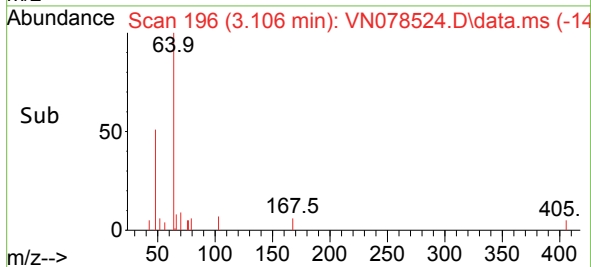
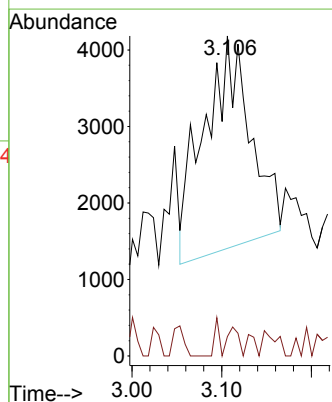
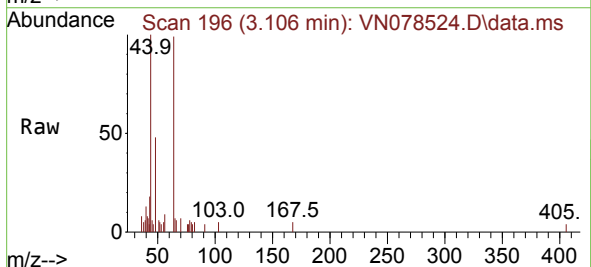
Instrument :
MSVOA_N
ClientSampleId :
IBLK

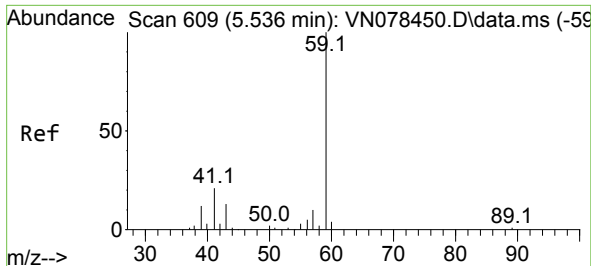
Tgt Ion: 94 Resp: 1139
Ion Ratio Lower Upper
94 100
96 74.1 73.1 109.7



#6
Chloroethane
Concen: 0.503 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 64 Resp: 9972
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

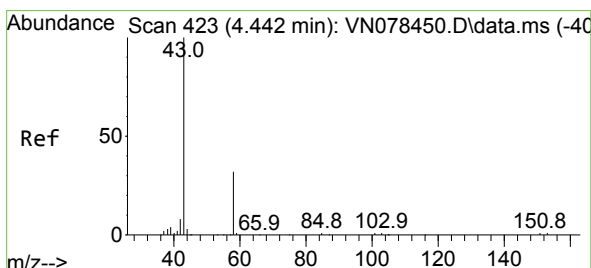
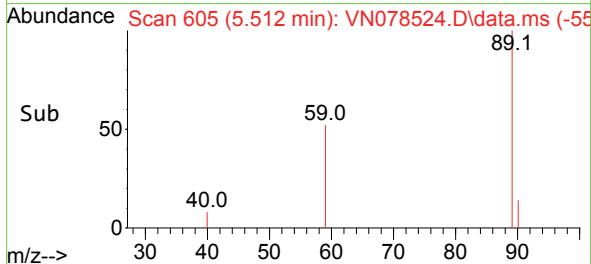
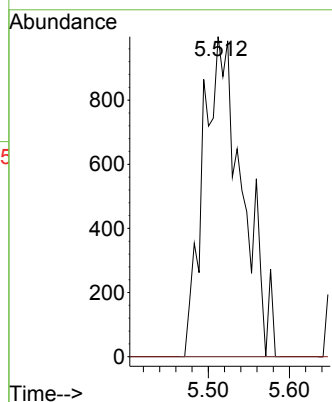
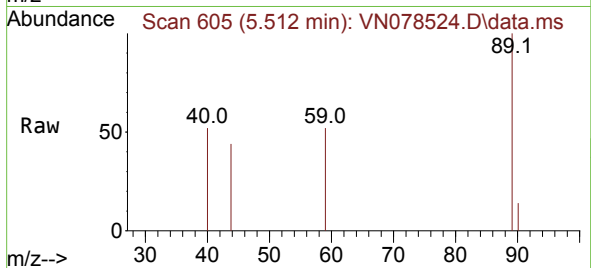




#11
Tert butyl alcohol
Concen: 4.071 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

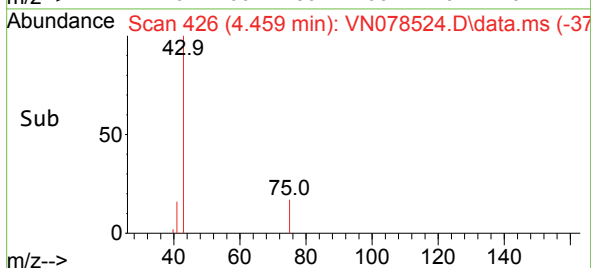
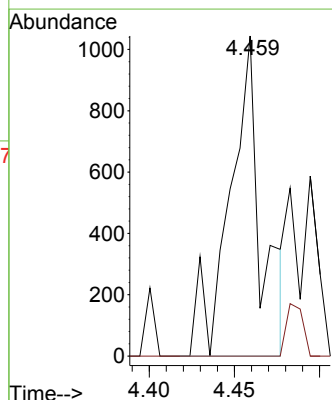
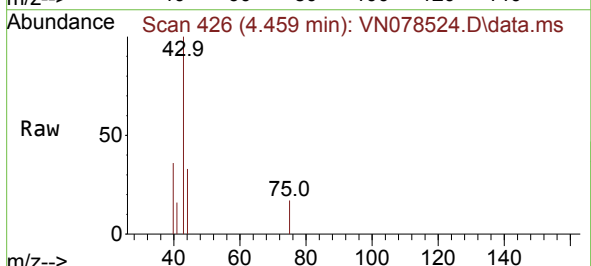
Instrument :
MSVOA_N
ClientSampleId :
IBLK

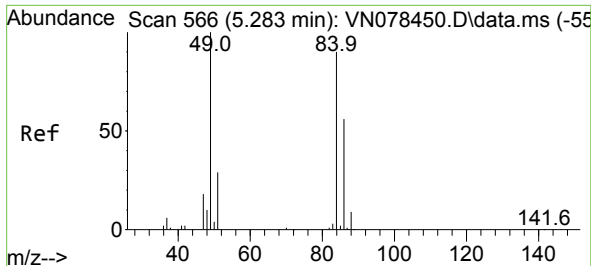
Tgt Ion: 59 Resp: 3347
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.808 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.017 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

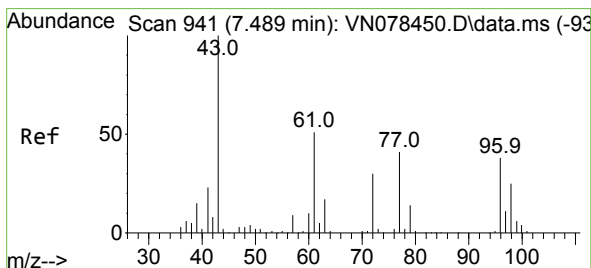
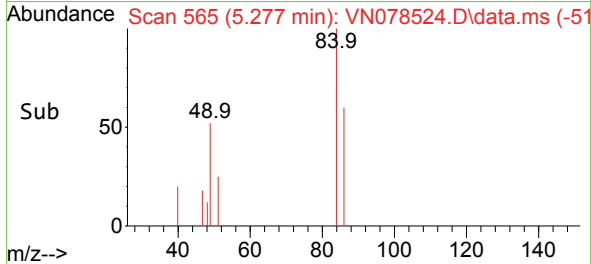
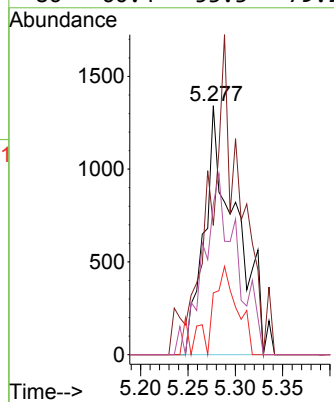
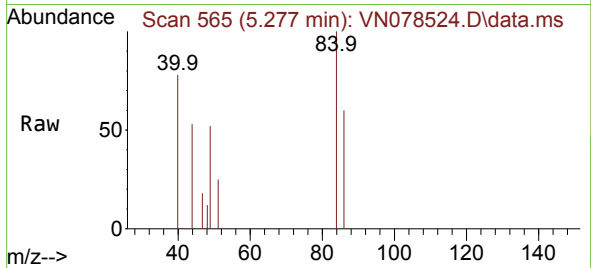




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

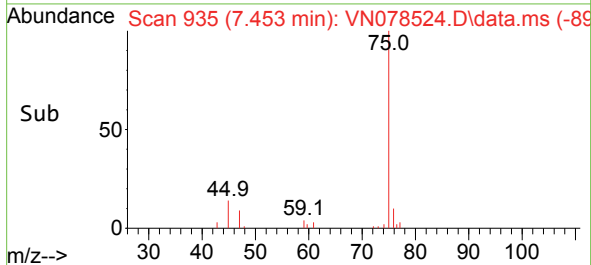
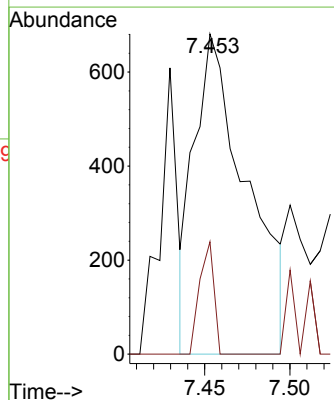
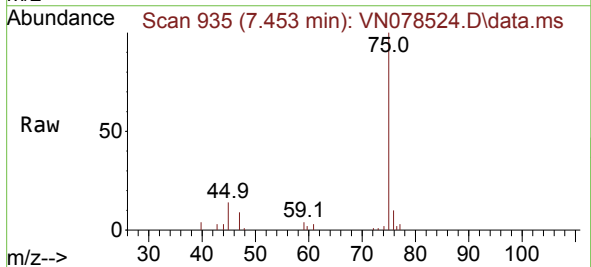
Instrument :
MSVOA_N
ClientSampleId :
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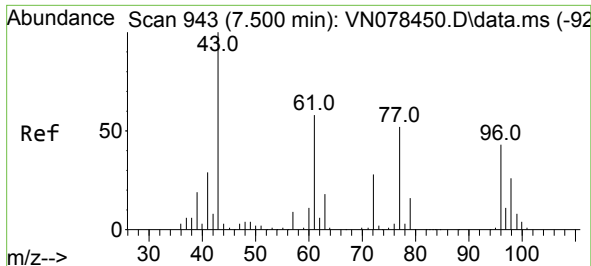
Tgt Ion:	84	Resp:	3126
Ion	Ratio	Lower	Upper
84	100		
49	51.9	79.7	119.5#
51	24.8	25.2	37.8#
86	60.4	53.3	79.9



#25
2-Butanone
Concen: 0.561 ug/l
RT: 7.453 min Scan# 935
Delta R.T. -0.036 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion:	43	Resp:	1467
Ion	Ratio	Lower	Upper
43	100		
72	52.1	30.2	45.2#

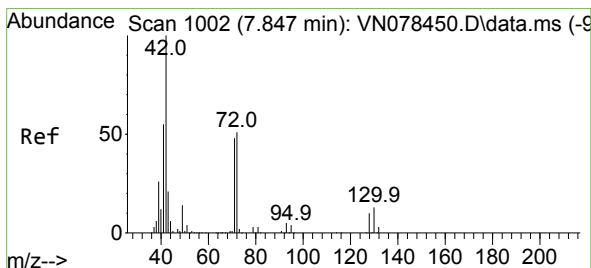
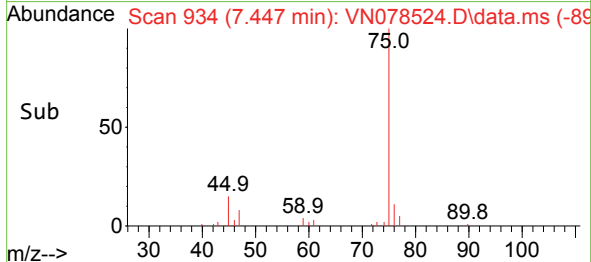
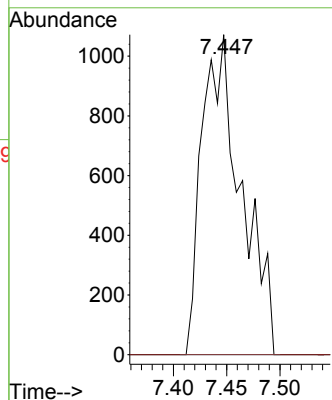
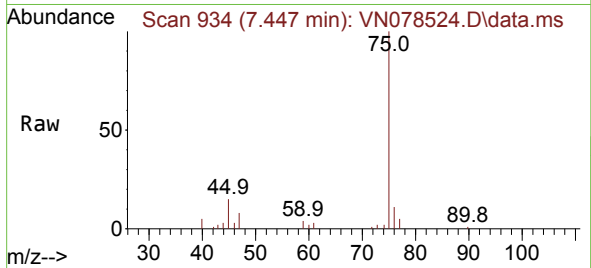




#26
2,2-Dichloropropane
Concen: 0.390 ug/l
RT: 7.447 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

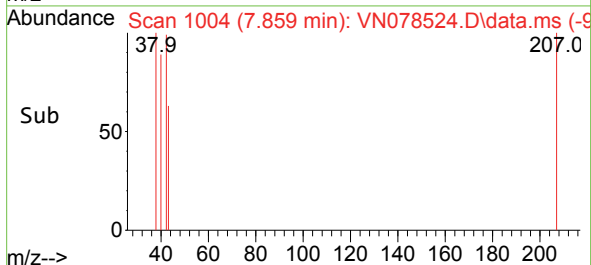
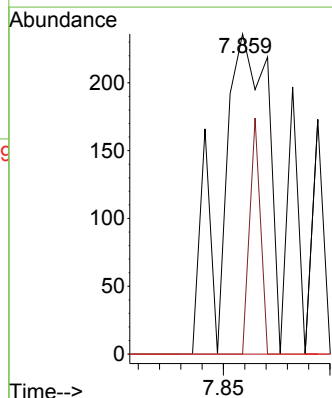
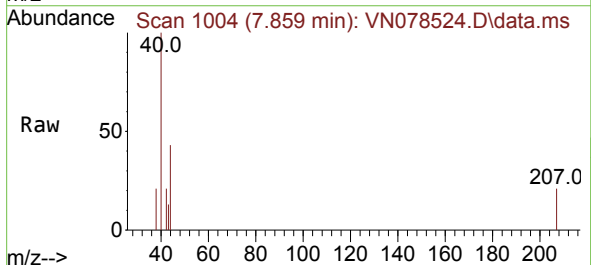
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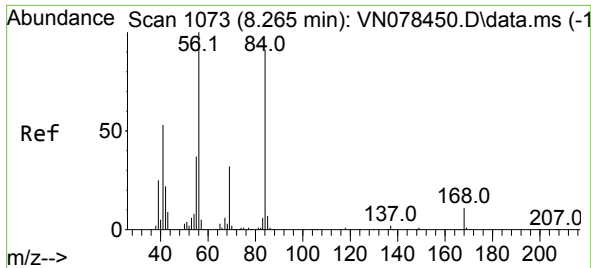
Tgt Ion: 77 Resp: 2761
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#29
Tetrahydrofuran
Concen: 0.208 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 42 Resp: 356
Ion Ratio Lower Upper
42 100
72 17.1 49.8 74.6#
71 0.0 47.4 71.2#

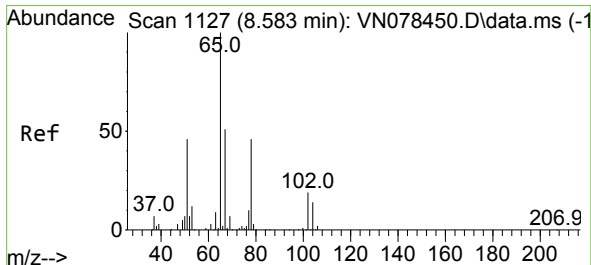
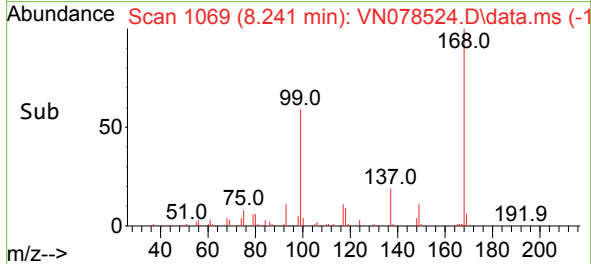
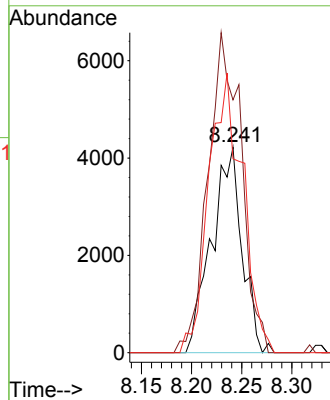
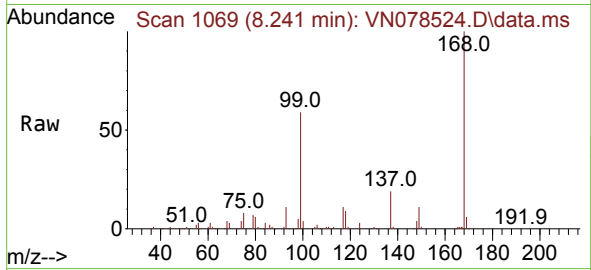




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

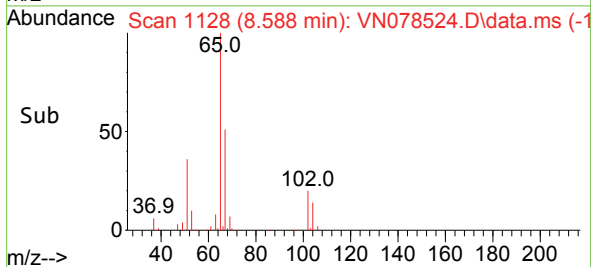
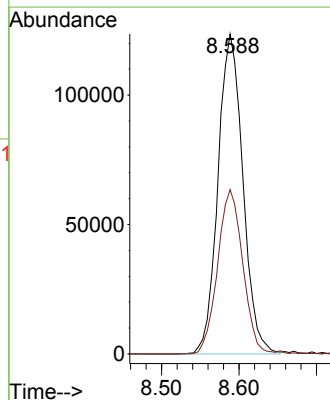
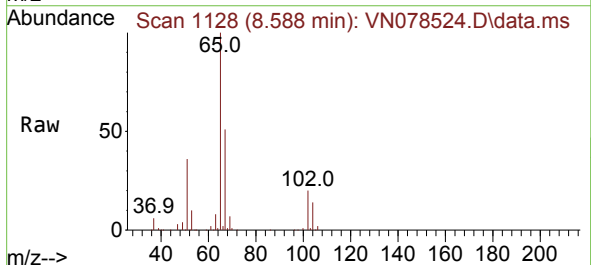
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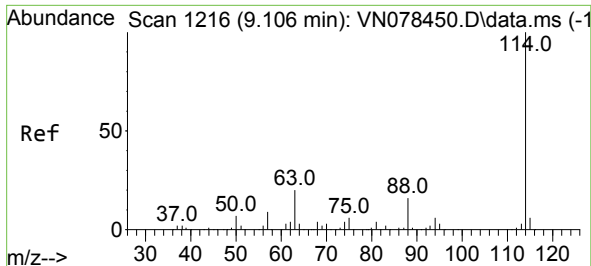
Tgt Ion: 56 Resp: 8963
Ion Ratio Lower Upper
56 100
69 123.0 26.8 40.2#
84 94.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 51.781 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 65 Resp: 276072
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078524.D

Acq: 14 Jul 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK

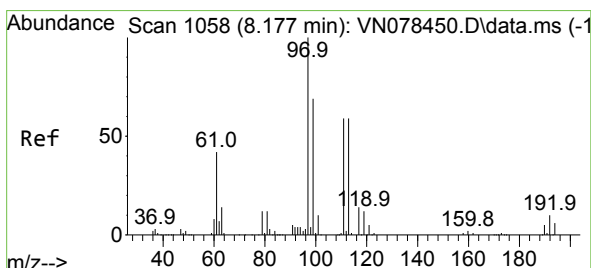
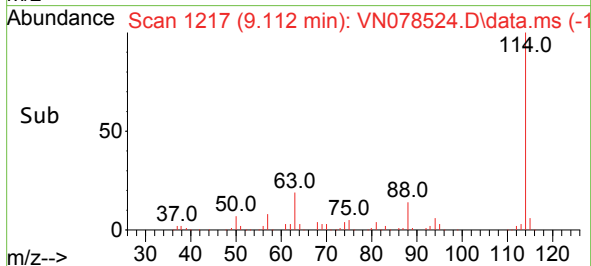
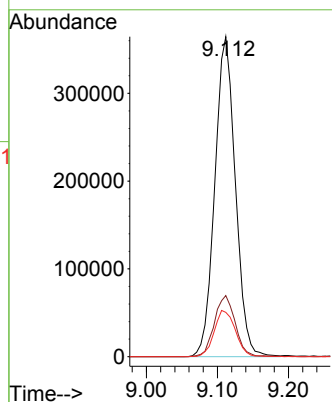
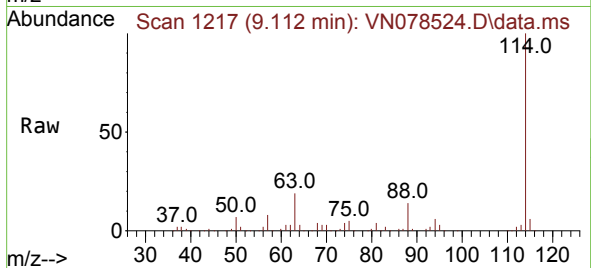
Tgt Ion:114 Resp: 731506

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 13.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.887 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078524.D

Acq: 14 Jul 2023 16:00

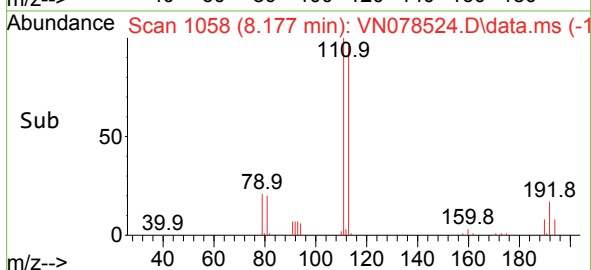
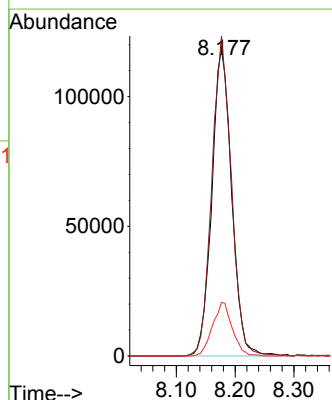
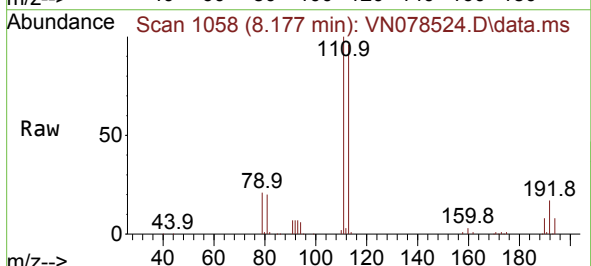
Tgt Ion:113 Resp: 277519

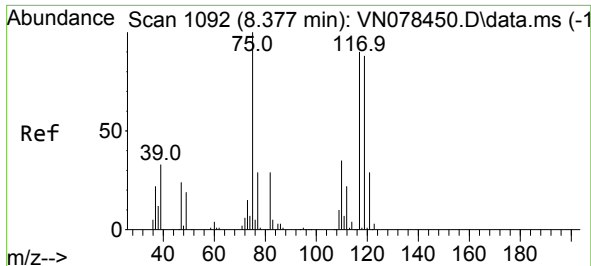
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 17.4 12.7 19.1

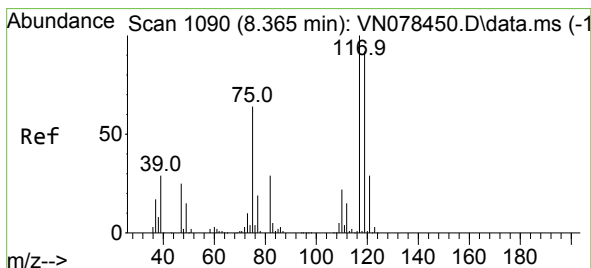
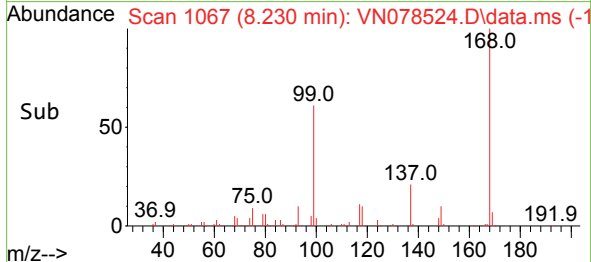
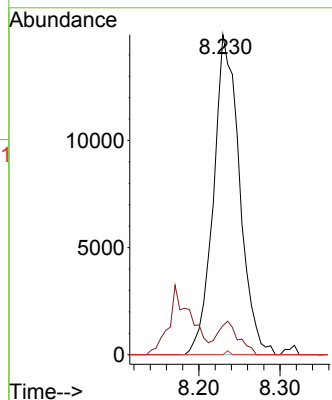
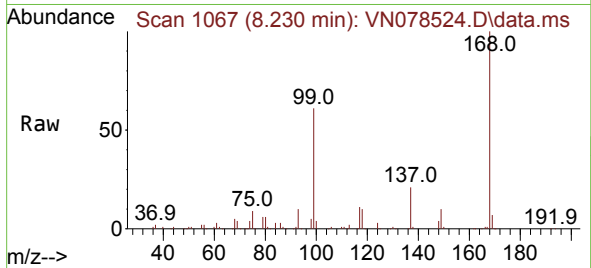




#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

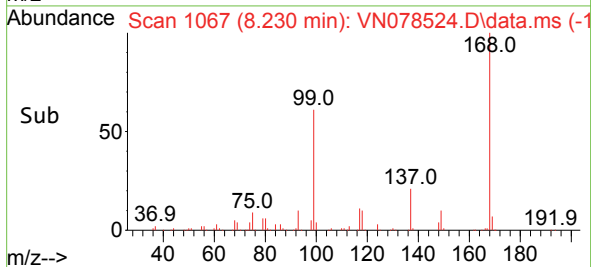
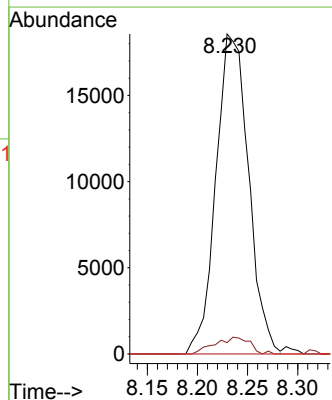
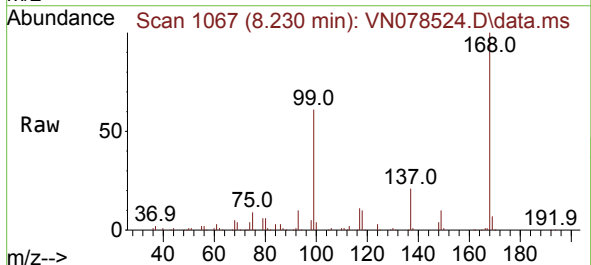
Instrument :
MSVOA_N
ClientSampleId :
IBLK

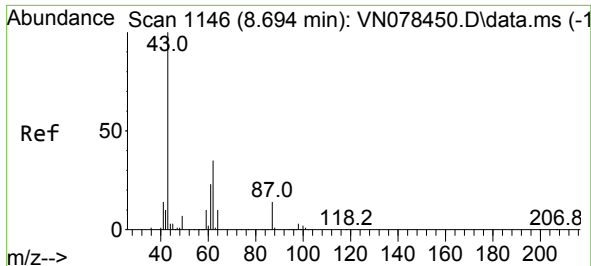
Tgt Ion: 75 Resp: 33266
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.2 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.380 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 117 Resp: 41922
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 23.3 34.9#

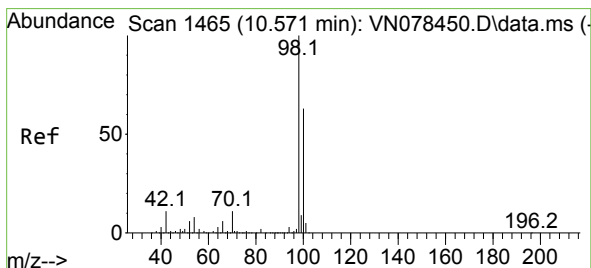
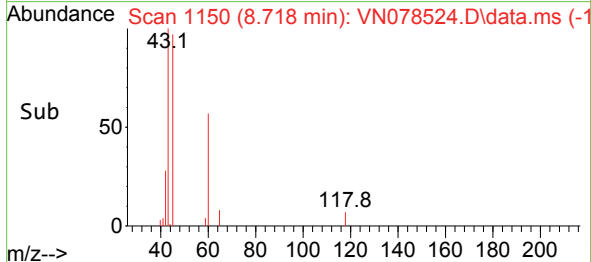
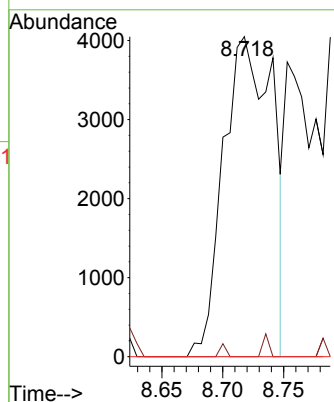
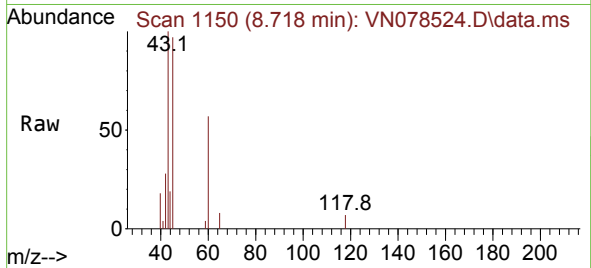




#43
Isopropyl Acetate
Concen: 1.158 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

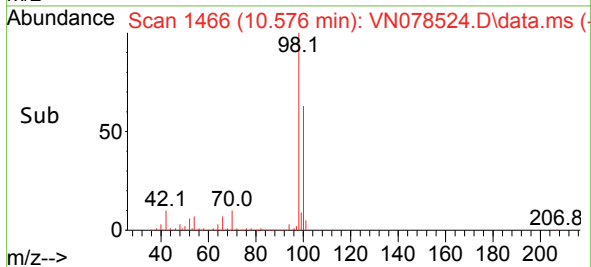
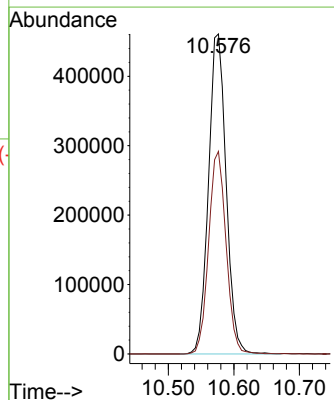
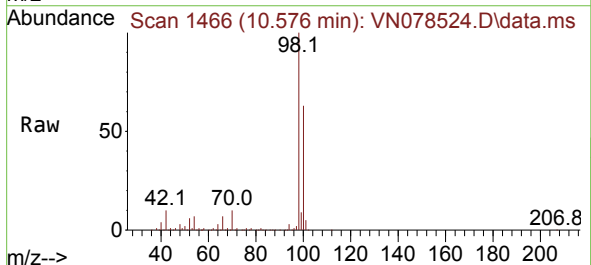
Instrument :
MSVOA_N
ClientSampleId :
IBLK

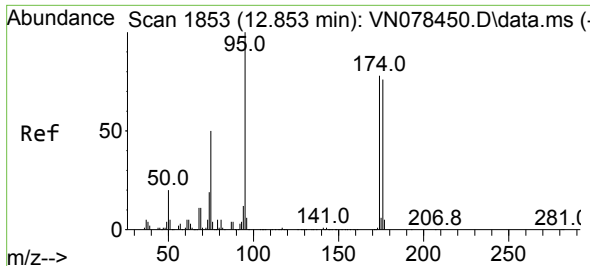
Tgt Ion: 43 Resp: 11398
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.043 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 98 Resp: 863707
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0

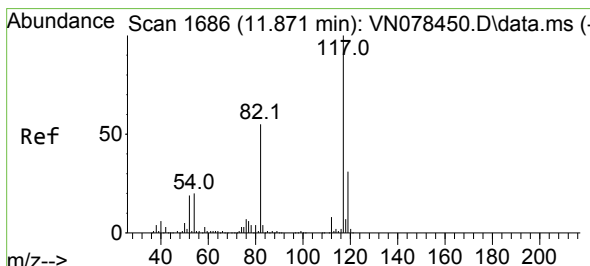
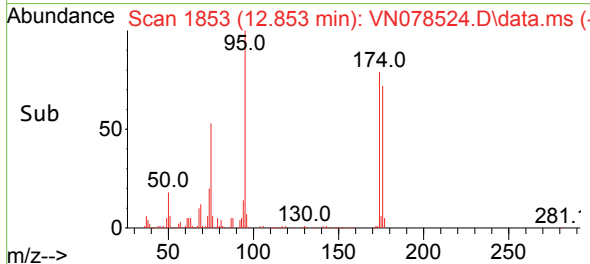
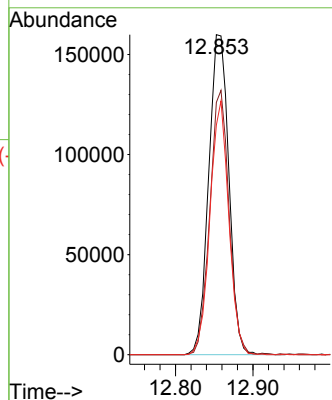
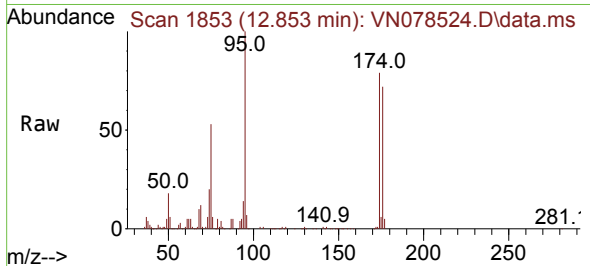




#62
4-Bromofluorobenzene
Concen: 49.909 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

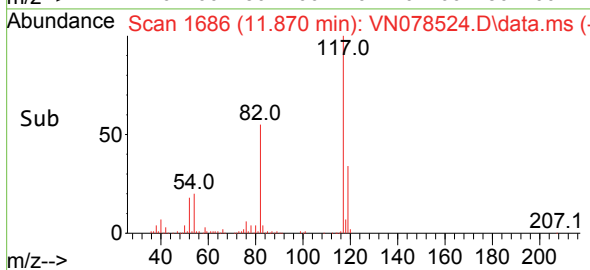
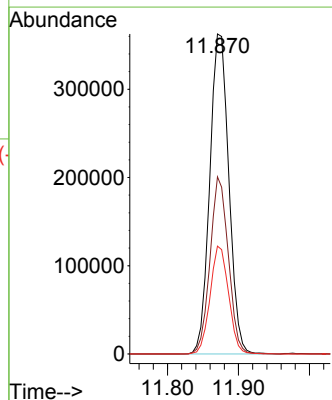
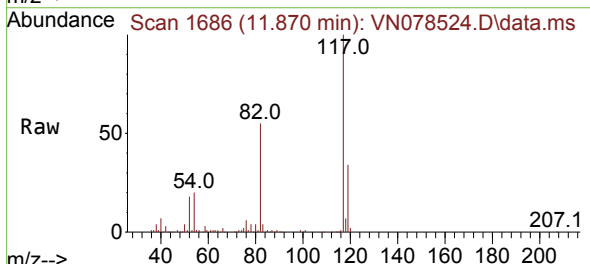
Instrument :
MSVOA_N
ClientSampleId :
IBLK

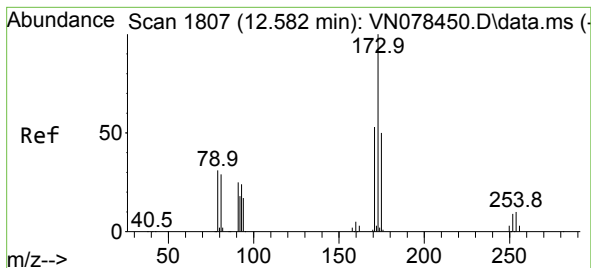
Tgt Ion: 95 Resp: 288378
Ion Ratio Lower Upper
95 100
174 79.0 0.0 143.8
176 73.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 117 Resp: 676011
Ion Ratio Lower Upper
117 100
82 55.4 44.0 66.0
119 33.7 25.6 38.4





#71

Bromoform

Concen: 0.561 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN078524.D

Acq: 14 Jul 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK

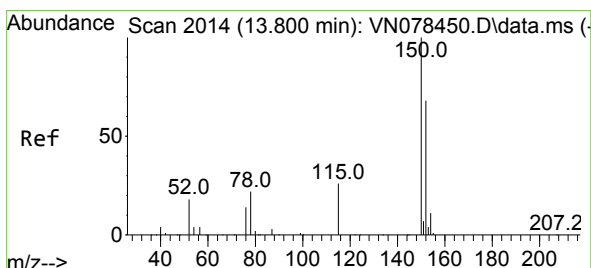
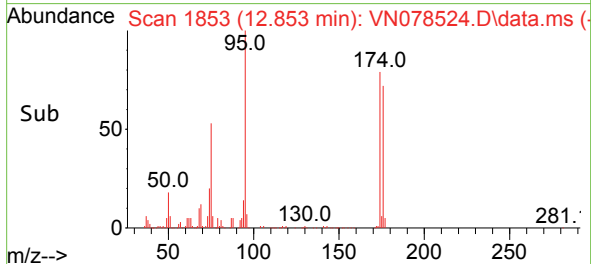
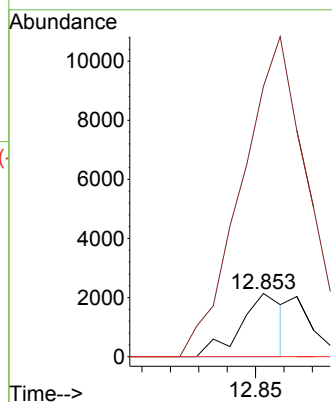
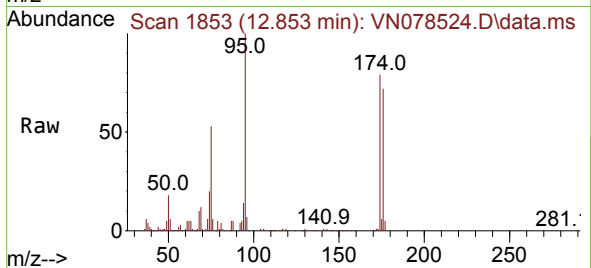
Tgt Ion:173 Resp: 2210

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078524.D

Acq: 14 Jul 2023 16:00

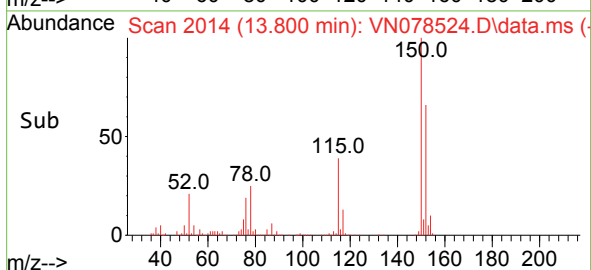
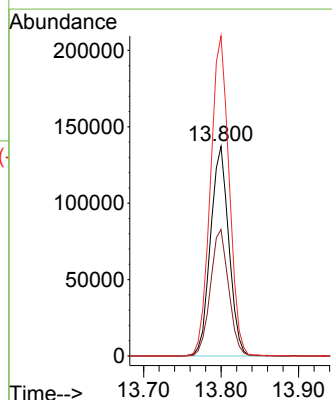
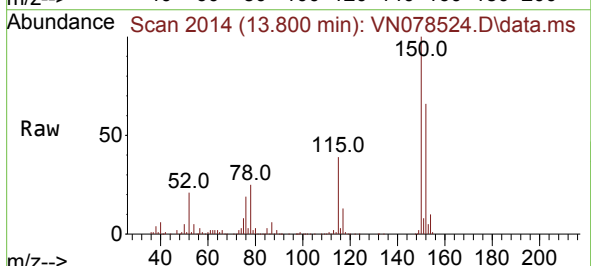
Tgt Ion:152 Resp: 225158

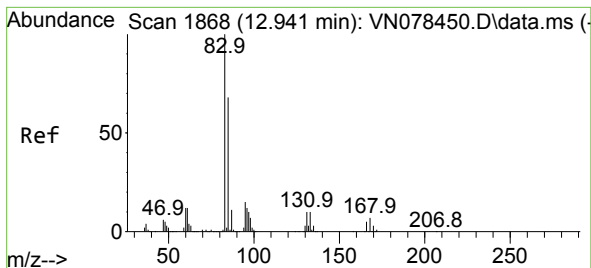
Ion Ratio Lower Upper

152 100

115 60.1 32.3 96.8

150 155.5 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN078524.D

Acq: 14 Jul 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK

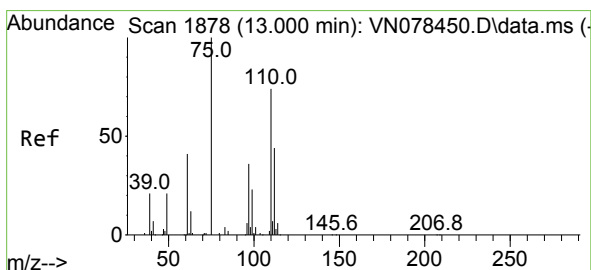
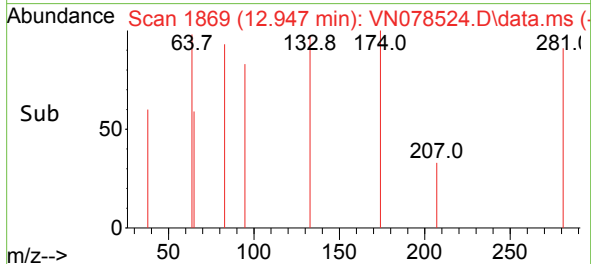
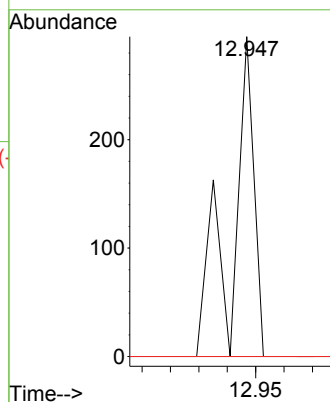
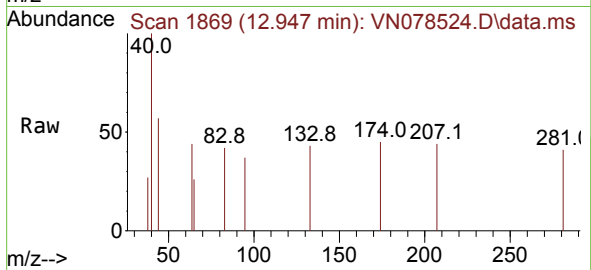
Tgt Ion: 83 Resp: 162

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 28.015 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078524.D

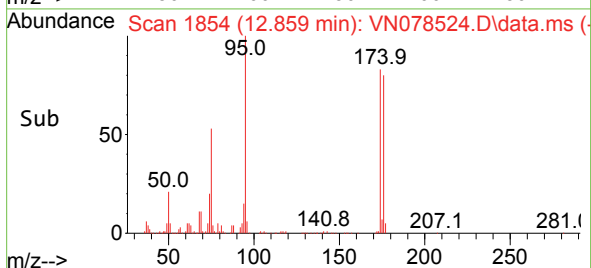
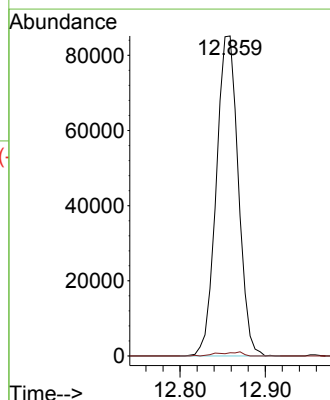
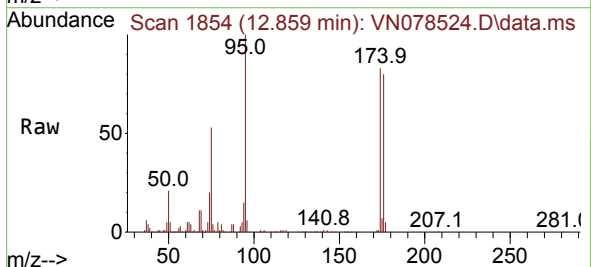
Acq: 14 Jul 2023 16:00

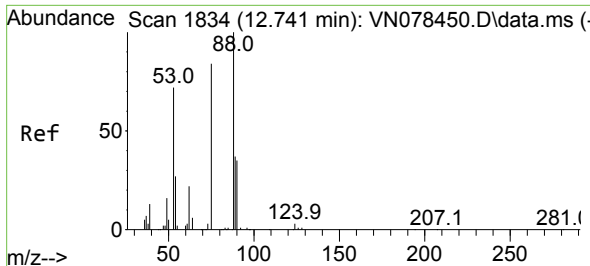
Tgt Ion: 75 Resp: 152466

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#

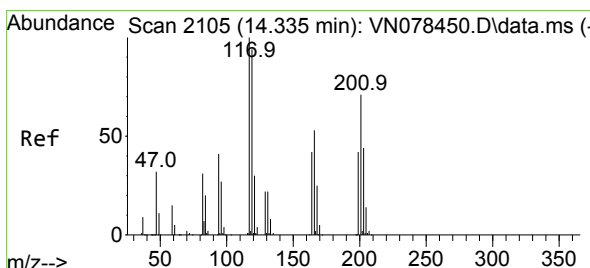
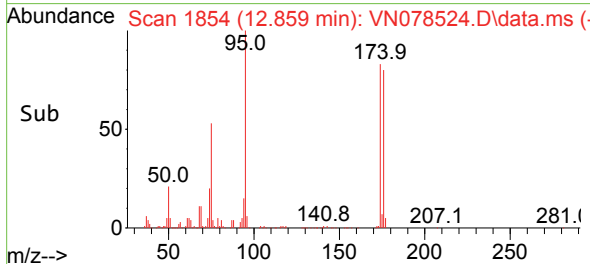
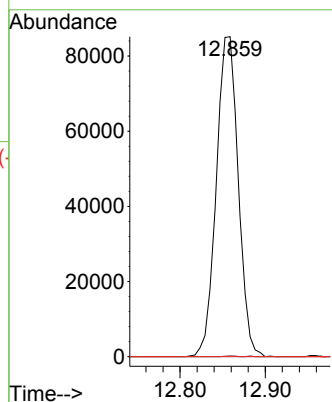
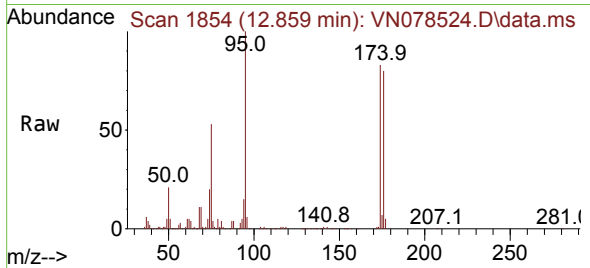




#81
trans-1,4-Dichloro-2-butene
Concen: 73.618 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

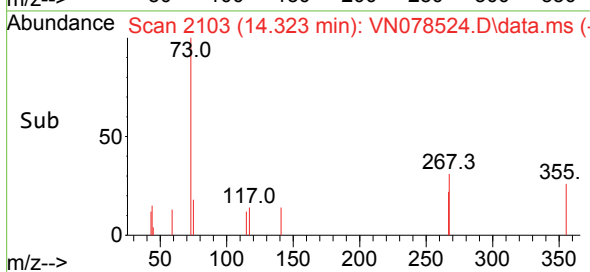
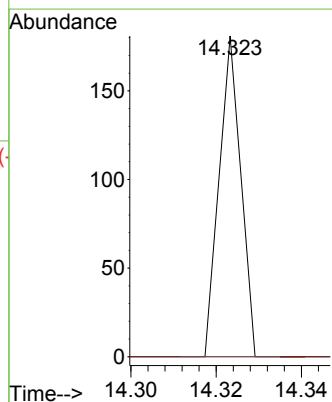
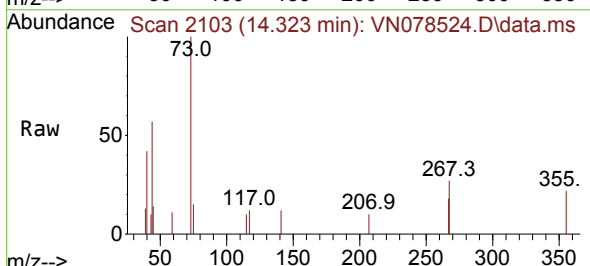
Instrument :
MSVOA_N
ClientSampleId :
IBLK

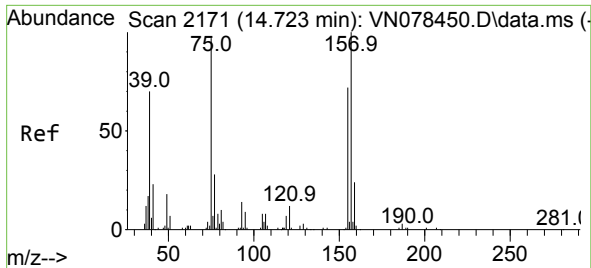
Tgt Ion: 75 Resp: 152466
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.323 min Scan# 2103
Delta R.T. -0.012 min
Lab File: VN078524.D
Acq: 14 Jul 2023 16:00

Tgt Ion: 117 Resp: 64
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.841 min Scan# 21

Delta R.T. 0.118 min

Lab File: VN078524.D

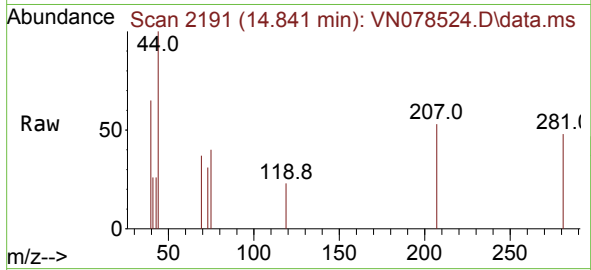
Acq: 14 Jul 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion: 75 Resp: 151

Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

157 0.0 50.3 150.9#

